HYPER ATTRIBUTE BASED CRYPTOGRAPHIC METHOD TO SECURE CLOUD STORAGE

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ABSTRACT

Many researchers have grabbed attention on cloud computing, due to its popularity and demand in the software market. This paper offers various strategies to protect or secure data at the database storage level in cloud based environments or virtualized environments. The sensitive data which is called as hyper-attribute must be carefully monitored to ensure that it is always protected from the attacker or hacker. To overcome these sorts of issues, we had proposed an approach called hyper-attribute based encryption mechanism in which the administrator of the database or user has the full rights to define hyper sensitive data. Hyper Attribute Based Encryption (HABE) algorithm is used to encrypt the hyper sensitive data depending on the user requirement. The obtained result shows the effectiveness and efficiency of our proposed approach.

KEYWORDS: Hyper-Attributes, Hyper-Attribute Based Encryption & ABE Algorithm